

CLAIM AMENDMENTS

1. (Currently Amended) A system comprising:  
a well; and  
a carousel of tools sealed within the well to automatically and selectively deploy the tools  
in the well, wherein at least one of the tools is adapted to deploy sensors at a predetermined  
depth to perform an intervention in the well.
2. (Currently Amended) The system of claim 1, wherein said at least one of the  
tools is adapted to measure an environmental a property of the well.
3. (Original) The system of claim 2, wherein the property comprises a composition  
of well fluid.
4. (Original) The system of claim 2, wherein the property comprises a temperature.
5. (Original) The system of claim 2, wherein the property comprises a pressure.
6. (Original) The system of claim 1, wherein at least one of the tools is adapted to  
take corrective action in the well.
7. (Original) The system of claim 6, wherein at least one of the tools is adapted to  
set a plug in the well.
8. (Original) The system of claim 1, wherein at least one of the tools is adapted to  
take a measurement of a property of the well at a predetermined depth.

9. (Cancelled)

10. (Original) A method comprising:  
halting the flow of fluid in a well;  
deploying a tool from within the well while the fluid is halted;  
allowing the tool to free fall in the well while the fluid is halted; and  
resuming the flow to retrieve the tool.

11. (Original) The method of claim 10, further comprising:  
introducing a delay to allow the tool to reach a given depth.

12. (Original) The method of claim 10, further comprising:  
using the tool to measure a property of the well at a predetermined depth.

13. (Currently Amended) A method comprising:  
injecting sensors into a fluid of a well;  
using the sensors to measure at least one environmental property of the well; and  
retrieving data from the sensors indicating the measurements.

14. (Original) The method of claim 13, wherein the act of retrieving the data  
comprises:  
collecting the sensors; and  
plugging the sensors into equipment to retrieve the data.

15. (Original) The method of claim 13, wherein the act of retrieving the data  
comprises  
communicating with the sensors as the sensors are flowing in the well.

16. (Original) The method of claim 13, wherein the act of injecting the sensors comprises:  
introducing the sensors into a chemical injection port of the well.
17. (Original) The method of claim 13, further comprising:  
halting flow of the fluid to allow the sensors to descend into the well.
18. (Original) A system comprising:  
a well; and  
a robot sealed in the well to selectively perform an intervention.
19. (Original) The system of claim 18, wherein the robot comprises a tractor.
20. (Original) The system of claim 18, wherein the robot is tethered to control electronics.
21. (Original) The system of claim 20, wherein the electronics are located inside the well.
22. (Original) The system of claim 20, wherein the electronics are located on a host platform.
23. (Original) The system of claim 18, wherein the robot is adapted to release a buoyant member to indicate that the robot is lodged in the well.
24. (Original) The system of claim 18, wherein the robot is adapted to collapse to dislodge itself from a passageway in the well.